

DEPATMENT OF ORTHOPAEDICS AND TRAUMA MEDICINE

SHORTS NOTES{ 21JULY 2020 CASTING CLASS-10AM-12NOON }

UNIT NAME; CASTING AND SPLINTING

UNIT CODE;CST 203

* Introduction to casting and splinting
* Principles of managing orthopaedics and trauma conditions
* Methods of body immobilization
* Indications of casting
* Use of splints

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PRINCIPLES OF MANAGING ORTHOPAEDICS AND TRAUMA CONDITIONS

This are the steps followed when dealing with an orthopaedic and trauma patient.

They include;

* First aid
* Reduction
* Immobilization

PRINCIPLE OF FIRST AID

This is done where there is wound,bleeding,fracture immobilization among others

It’s the first principle

PRINCIPLE OF REDUCTION

This is done after the first principle

It involves the bringing back/correction of body parts to there normal Anatomical position

It also involve the plain radiography

It contains its methods of reduction that include;

* Manual reduction(use of hands}
* Operative reduction(operations involved}
* Use of mechanical traction[body part being subjected to pulleys,weights among others]

PRINCIPLE OF IMMOBILIZATION

Involves stabilization of body part back to its Anatomical position to enhance healing

It also involve its methods that include;

* External splint age{ use of POP,slabs,hide and skin, metallic splints, clay soil, tree branches, cartons etc.
* Use of continuous traction like pulleys, weights
* External fixation
* Internal immobilization

INTRODUCTION TO CASTING AND SPLINTING

CASTING; This is a method of temporary immobilization that circumferentially incorporates a part or parts of the body by use of POP or Dyna cast to in hesitate healing.

SPLINTING;This is a method of temporary immobilization that is non circumferential incorporating a part or parts of the body to enhance/in hesitate healing.

INDICATIONS OF CASTING

* Immobilization of fractures
* Correction of deformities
* Prevention of deformities
* Supporting body parts
* Removing pain from the joint

USES OF SPLINTS

* Used where there is swelling
* Used when there is presence of wound
* Used as first aid measure
* Used where there is a contracture at the joint{joint fixed abnormally